

Nipper Clipper - Clip Applicator



Key Features

The Nipper Clipper - Clip Applicator includes the following key features:

- Enclosed dual-operator, climate-controlled cab (camera system to allow single operator to handle both sides)
- Two workheads, one over each rail; two guns per workhead, four guns total
- Push button controls
- Tie nippers with BTI hooks
- Clip sprayer
- John Deere Tier III diesel engine
- 24 VDC, circuit breaker-protected, electrical system
- Demountable-style axle assemblies with Cobra brake shoes
- Four-wheel, dual-axle, chain-driven propulsion system
- Cab-controlled workhead power lock-ups
- Easy-to-access steel manifolds with Vickers valves
- Joystick controls

Simultaneously apply eight spring clips in single- or dual-operator mode.



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Clip sprayer for easier clip insertion

The integrated lubrication sprayer assembly lubricates both the clips and the clip holder to ensure that clips slide easily into place.

Adjust to different working conditions

- Simply move clips on the guide rods to set the workhead descend level for different rail heights.
- Set the workheads to handle different base widths for accurate clip insertion placement.
- Just flip a switch to handle either jointed or welded rail.
- Make quick setting changes to tilt the workheads to handle canted rail.

High production levels

Use the dual-workhead mode to efficiently operate both the inside and outside workhead guns simultaneously. An in-cab camera and monitor allow a single operator to easily handle both workheads. In addition, the four workhead guns allow installation of eight clips simultaneously.

The integrated nipper functionality increases productivity as well, since it provides a method for handling hanging ties without manual intervention.

Work and travel modes

The ergonomically designed cab provides excellent visibility during both work and travel modes. In addition, a fuel-saving single-axle drive option is available during travel mode.

Optional multi-purpose functionality

Simply add the optional gager to perform rail gaging during the clipping operations. In addition, optional clip removal tools are available, turning the Nipper Clipper into dual-purpose workhorse on your gang.



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Cab	Cab accessories	Air conditioning, vandal guards for windows, cab pressurizer
Additional Functionality	Rail accessories Clip accessories	Rail manipulator (gager) Clip remover
Cold Weather	Machine heaters Cab heater	110-volt hydraulic tank heater, brake de-icing feature, Espar diesel-fired engine heater and hydraulic heater tubes Espar Airtronic 4, diesel-fired cab heater
Repair & Maintenance	Corner-mounted jackstands Pumps	Holds the unit above the track to allow under-machine repairs Electric top-off pump, electric emergency pump
Other Accessories	Gauges and alarms Lighting and mirrors Monitoring	Fuel level site gauge, speedometer, hydraulic reservoir temperature gauge, low hydraulic oil level/high hydraulic oil temperature alarm, turntable warning light and buzzer Night lighting packages Cycle counter
	Miscellaneous Storage	"Danger Live Track" retractable belt, DOT reflective tape, extra parts/operations/maintenance manuals, tow bar with D-handle hitch pins, windshield washer fluid tank and nozzles Additional book storage box, track tool box

General	Weight	22,500 lbs (total machine); 1,500 lbs (workhead module only)
	Length	22' 8"
	Width	8' 6"
	Height	9' 10"
	Wheel base	13' 6"
	Travel/towing speeds	25 mph (maximum)/20 mph maximum
Capacities	Fuel tank	120 gallons
	Hydraulic tank	110 gallons
Engine	Make/Model	John Deere 4045T, Tier II, 99 HP @2200 rpm
	Type	Turbocharged, inline four-cylinder
Hydraulic System	Make/Model	Vickers PVM98 series
	Type	Pressure-compensated variable displacement piston pump
Electrical System	Battery	24 Vdc (dual 12V DC batteries), 1150 cold-cranking amps
Axle Drive System	Drive and propulsion type	Dual-axle hydraulic chain drive
Brakes	Type/Style	Spring-applied/hydraulically released, four-wheel Cobra-style

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